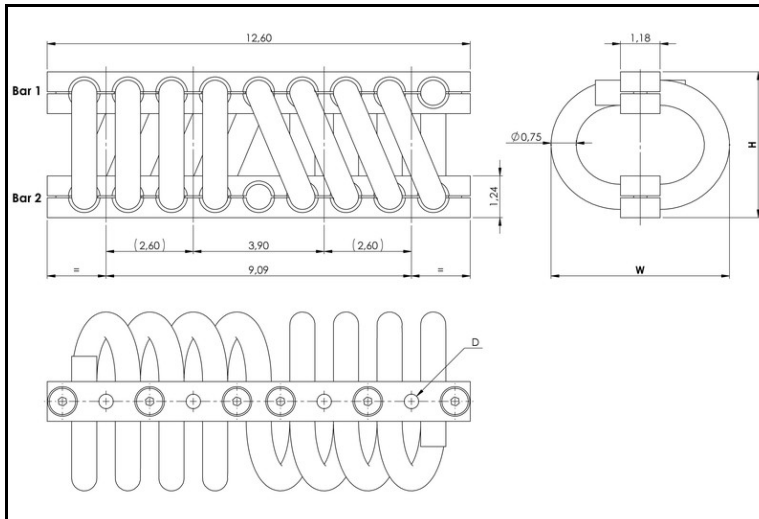


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1600



- All metal multidirectional anti-vibration/shock mounts
- Exceptional reliability and long life
- High damping
- No aging
- Corrosion resistant
- Unequalled temperature range : -180°C to +300°C / -290F to 570 F
- Great adaptability/versatility

Specials on request

(material size and number of loops, etc.)

Dimensions are in inches. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
CB1600
Cable: stainless steel galvanized available: CBG
Retainer bars: aluminium alloy/ SurTec
Screws: alloy steel/ zinc plate
Inserts: stainless steel
All stainless steel: CBSS
Other materials on request

MODEL	height H (in)	width W (in)	weight (lbs)
-15	3,9	4,5	9,4
-17	4,1	4,9	10
-20	4,3	5,3	11
-25	4,6	5,7	11
-30	4,9	6,3	12
-40	5,3	6,9	13
-50	5,7	7,3	14
-60	6,3	7,9	16
-70	6,9	8,5	17

INTERFACES			
fixtures holes D	Bar 1		
	ø 0.43 in through holes	ø 0.43 in through holes counter-sunk 82°	3/8 - 24 inserts
Bar 2			
ø 0.43 in through holes	T2	not standard	not standard
ø 0.43 in through holes counter-sunk 82°	C	C2	not standard
3/8 - 24 inserts	I	CI	I2

C	B	1	6	0	0	-	1	5	C	I
---	---	---	---	---	---	---	---	---	---	---

SERIE: CB1600

'Helical' mount from the CB1600 series

MODEL: -15

height: 3,9in

width: 4,5in

weight: 9,4lbs

loops: serie

standard is 08 loops

INTERFACE: CI

ø 0.43 in through

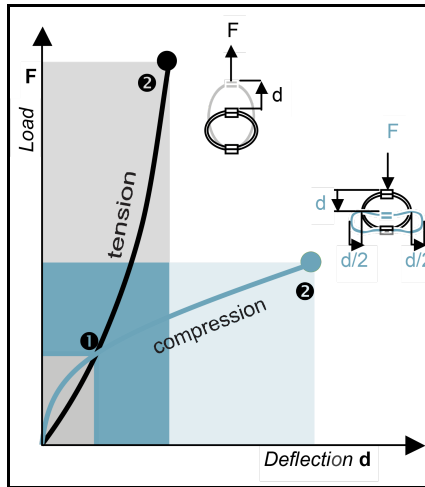
holes counter-sunk

82° in bar 1,

3/8 - 24 inserts in

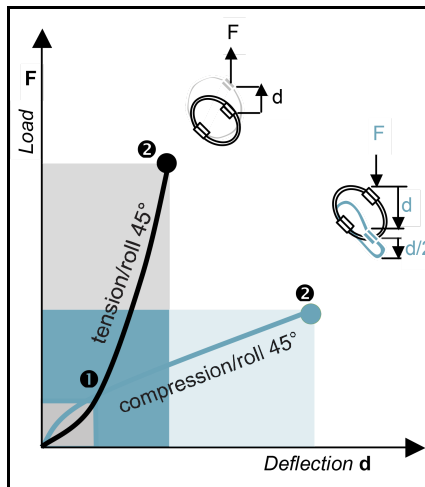
bar 2





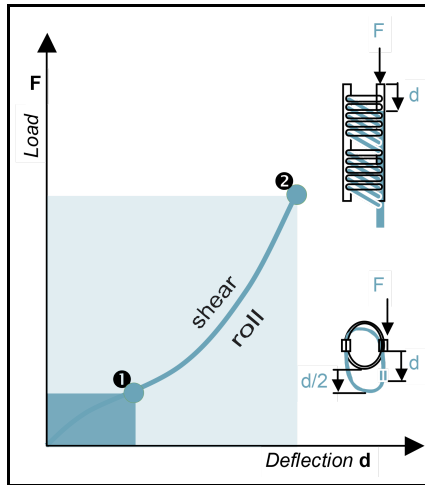
COMPRESSION AND TENSION

CB1600 Series	Model	-15	-17	-20	-25	-30	-40	-50	-60	-70
1. Max Static	F lbf	2600	2200	1800	1600	1300	1100	960	830	730
	d in	0,23	0,27	0,31	0,35	0,41	0,47	0,54	0,63	0,73
2. Max Shock	F lbf	7700	6500	5500	4700	3800	3200	2900	2500	2200
	d in	1,2	1,5	1,7	1,9	2,2	2,6	2,9	3,4	4,0
3. Max Vibration	2a in	0,14	0,16	0,18	0,21	0,24	0,28	0,32	0,38	0,44
	f Hz	8,1	7,5	7,0	6,5	6,1	5,6	5,3	4,9	4,6
1. Max Static	F lbf	2600	2200	1800	1600	1300	1100	960	830	730
	d in	0,19	0,23	0,28	0,32	0,38	0,44	0,49	0,55	0,61
2. Max Shock	F lbf	29000	25000	21000	19000	16000	13000	11000	9400	8000
	d in	0,92	1,1	1,4	1,6	2,0	2,3	2,5	2,7	2,9
3. Max Vibration	2a in	0,10	0,13	0,15	0,17	0,22	0,25	0,27	0,29	0,31
	f Hz	10,2	9,2	8,4	7,8	7,1	6,6	6,3	6,0	5,8



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1600 Series	Model	-15	-17	-20	-25	-30	-40	-50	-60	-70
1. Max Static	F lbf	1900	1600	1400	1200	950	790	720	620	550
	d in	0,32	0,37	0,42	0,48	0,65	0,75	0,73	0,88	1,0
2. Max Shock	F lbf	5200	4300	3700	3200	2600	2200	1900	1700	1400
	d in	1,9	2,2	2,5	2,9	3,3	3,8	4,4	5,2	6,0
3. Max Vibration	2a in	0,20	0,24	0,27	0,32	0,36	0,42	0,48	0,57	0,65
	f Hz	6,1	5,6	5,3	4,9	4,5	4,2	4,0	3,7	3,4
1. Max Static	F lbf	1900	1600	1400	1200	950	790	720	620	550
	d in	0,24	0,30	0,32	0,37	0,48	0,57	0,58	0,70	0,72
2. Max Shock	F lbf	14000	12000	11000	9300	7900	6600	5700	4700	4000
	d in	1,1	1,3	1,6	1,8	2,3	2,6	2,8	3,0	3,3
3. Max Vibration	2a in	0,12	0,14	0,17	0,20	0,25	0,29	0,31	0,33	0,36
	f Hz	8,2	7,5	6,8	6,3	5,8	5,4	5,1	4,9	4,6



SHEAR OR ROLL

CB1600 Series	Model	-15	-17	-20	-25	-30	-40	-50	-60	-70
1. Max Static	F lbf	1300	1100	910	780	630	530	480	420	360
	d in	0,27	0,32	0,38	0,43	0,53	0,60	0,73	0,89	0,95
2. Max Shock	F lbf	8500	7100	6000	5000	4200	3400	2900	2400	2000
	d in	1,3	1,5	1,8	2,1	2,5	2,9	3,2	3,6	4,0
3. Max Vibration	2a in	0,14	0,17	0,20	0,23	0,28	0,32	0,35	0,40	0,44
	f Hz	2,9	2,6	2,4	2,2	2,0	1,9	1,8	1,8	1,7

1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)

***IMPORTANT:** Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

Air	AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810
Ground Forces	GAM EG13A, SEFT 001, MIL-STD-810, VG 9533
Marine	GAM EG13C, IT25-21/96-31/15-86, MIL-S-167, MIL-S-901, STANAG 042, BV 043.73, BV 044
Others	GAM EMB1, GAM EMBT4, DEF STAN 07-55, IEC 571, FINABEL 2C

